Unit 20 Quantity surveying – Assignment 3 data sheet

Please refer to the drawings and specification for assignment 2 for specific construction details and dimensions.

During the project the client/architect made several changes to the scheme. These included:

Changing the external surface finish to the first floor of they wanted the timber cladding to replace the brickwork from a line around the property in line with the window heads at ground floor level. The detail as built is block and block cavity wall as per the original detail with blocks replacing the bricks. The insulation to the cavity was to remain as detailed, however, the client wanted a different type of insulation to the whole property which resulted in a revised cost.

All windows were changed from PVCu to timber.

External doors were upgraded.

Roof finish upgraded.

Use the following data to produce your final account.

Contingencies and allowances:

Item	**Cost (£)**
External walls (Brick PC sum £575/1000)	160.00/m^2
Insulation	13.75/m^2
PVCu Windows	250.00/m^2
External doors	650.00 Nr
Roof structure and coverings	195.00/m^2
Kitchen PC Sum	5000.00 Nr
Bathrooms PC Sum	2500.00 Nr
En-suite PC Sum	1250.00 Nr
Prelims	1570.00 per week
Provisional sums for unforeseen or additional works	7500.00 (net)
LADs	875.00 per week
Contract sum	**134,000.00**
Contract duration	**23 weeks**

Daywork Rates

	Daywork Rates for the following qualified and apprentice trained trades including overheads and profit:			£
	Bricklayer		hr	34.25
	Joiner		hr	34.25
	Plasterer		hr	38.62
	Groundworker		hr	28.15
	General Labourer		hr	19.25
	Electrical Engineer		hr	42.15
	Plumbing & Heating Engineer			42.15
	Percentage addition for supply of goods and materials in respect of dayworks.		%	22.5
	Percentage addition for supply of plant and equipment in respect of dayworks.		%	20.0

Variations data

Item	**Cost (£)**
External walls (Brick PC sum £575/1000)	160.00/m^2
External walls (block and block)	100.00/m^2
Insulation upgrade	19.75/m^2
Cedar Cladding	58.00/m^2
Timber Windows	450.00/m^2
External doors	850.00 Nr
Roof structure and coverings	215.00/m^2
Kitchen (receipted cost)	7645.00 Nr
Bathrooms (receipted cost)	1875.00 Nr
En-suite (receipted cost)	750.00 Nr
Extension of time granted	4 weeks
Actual contract period	31 weeks

Contract Instruction No 1

Project	New Semi-Detached House, Any Road, Any Town.		
Contractor	I Build Ltd		
Date of issue	1/1/18	CI number	01
Add/Omit	Item		Cost
Omit	Facing brickwork from the top of the ground floor window heads to the eaves.		
Add	Block and block walling form the first floor window heads to the eaves.		
Add	Suuply and fix Cedar cladding to the whole of the first floor.		

Contract Instruction No 2

Project	New Semi-Detached House, Any Road, Any Town.		
Contractor	I Build Ltd		
Date of issue	1/1/18	CI number	02
Add/Omit	Item		Cost
Omit	Supply and fix uPVC windows throughout		
Omit	Supply and fix all uPVC doors throughout		
Add	Supply and fix timber windows throughout		
Add	Supply and fix composite doors throughout		

Contract Instruction No 3

Project	New Semi-Detached House, Any Road, Any Town.		
Contractor	I Build Ltd		
Date of issue	1/1/18	CI number	03
Add/Omit	Item		Cost
Omit	Supply and fix Tile xyz interlocking roof tile to the whole roof area		
Add	Supply and fix Tile ABC Slate effect roof tile to the whole roof area.		

Contract Instruction No 4

Project	New Semi-Detached House, Any Road, Any Town.		
Contractor	I Build Ltd		
Date of issue	1/1/18	CI number	04

Add/Omit	Item		Cost
Omit	Kitchen PC Sum		5000.00 Nr
Omit	Bathrooms PC Sum		2500.00 Nr
Omit	En-suite PC Sum		1250.00 Nr
Add	Kitchen (receipted cost)		7645.00 Nr
Add	Bathrooms (receipted cost)		1875.00 Nr
Add	En-suite (receipted cost)		750.00 Nr

Contract Instruction No 5

Project	New Semi-Detached House, Any Road, Any Town.		
Contractor	I Build Ltd		
Date of issue	1/1/18	CI number	05
Add/Omit	Item		Cost
Omit	Provisional sums		7500.00
Add	Supply and fix additional downlighters		2458.00 fitted
Add	Supply and fix chrome towel rails (3No)		198.34 (each, fitted)
Add	Supply and lay gravel to rear garden (18 Tons)		86.22 (per ton, laid)
Add	Supply and lay turf to garden areas (75m^2)		12.45m^2 (laid)
Add	Supply and fix artificial stone garden wall		£4574.76 (item)
Add			

Daywork vouchers (agreed) Please note for ease these have been collated into specific jobs and not on a day by day basis.

Dayworks Voucher for	Electrical works		
Date of issue	2/1/18		
Agreed By	CA		
Date of	Work undertaken	Trade	Hours

works			
1/1/18	Works to new data cabling installation	Electrical engineer	25.25
		Electrical engineer	12.5
		Labourer	37.75
	Materials	**Cost (£)**	
	Cat 6 cabling	344.87	
	Comms cabinet	67.45	
	Patch panels	178.26	
	Plant and equipment	**Cost (£)**	
	Hammer drill (hire)	113.33	
	Core drill bits	45.22	

Dayworks Voucher for	Plumbing works		
Date of issue	2/1/18		
Agreed By	CA		
Date of works	Work undertaken	Trade	Hours
1/1/18	Installation of steam sauna/shower	Plumbing and heating engineer	12.75
		Plumbing and heating engineer	3.25
		Electrical engineer	2.25
		Labourer	5
	Materials	**Cost (£)**	
	Shower cabinet	2148.38	
	Copper pipe	97.33	
	Electric cable	12.11	
	Extract duct and cover	233.48	
	Plant and equipment	**Cost (£)**	
	Hammer drill (hire)	226.66	
	Core drill bits	65.22	
Dayworks Voucher for	Plastering		
Date of issue	2/1/18		
Agreed By	CA		
Date of works	Work undertaken	Trade	Hours
1/1/18	Plastering to garage	Plasterer	12.5

		Plasterer	12.5
		Labourer	12.5
	Materials	**Cost (£)**	
	Plaster board	136.33	
	Board adhesive	22.28	
	Board finish	44.12	
	Board tape	5.22	
	Plant and equipment	**Cost (£)**	
	Hand mixer (hire)	31.69	

Dayworks Voucher for	Ground works		
Date of issue	2/1/18		
Agreed By	CA		
Date of works	Work undertaken	Trade	Hours
1/1/18	Levelling and excavation to garden	Groundworker	35
		Groundworker	35
		Labourer	35
		Labourer	35
	Materials	**Cost (£)**	
	Land drain		
	Plant and equipment	**Cost (£)**	
	Mini digger	426.55	